

UNIQUE IDENTIFICATION (UID)



Unique Identification (UID) of Tangible Items

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DoD Vision for Item Marking

To implement a policy establishing a strategic imperative for uniquely identifying tangible items relying to the maximum extent practical on international standards and commercial item markings and while not imposing unique government data requirements.

Uniquely identified (UID) tangible items will facilitate item tracking in DoD business systems and provide reliable and accurate data for management, financial, accountability and asset management purposes.



Unique **ID**entification (**UID**) is....

UID is . . .

. . . the set of data for tangible assets that is globally unique and unambiguous, ensures data integrity and data quality throughout life, and supports multi-faceted operations and

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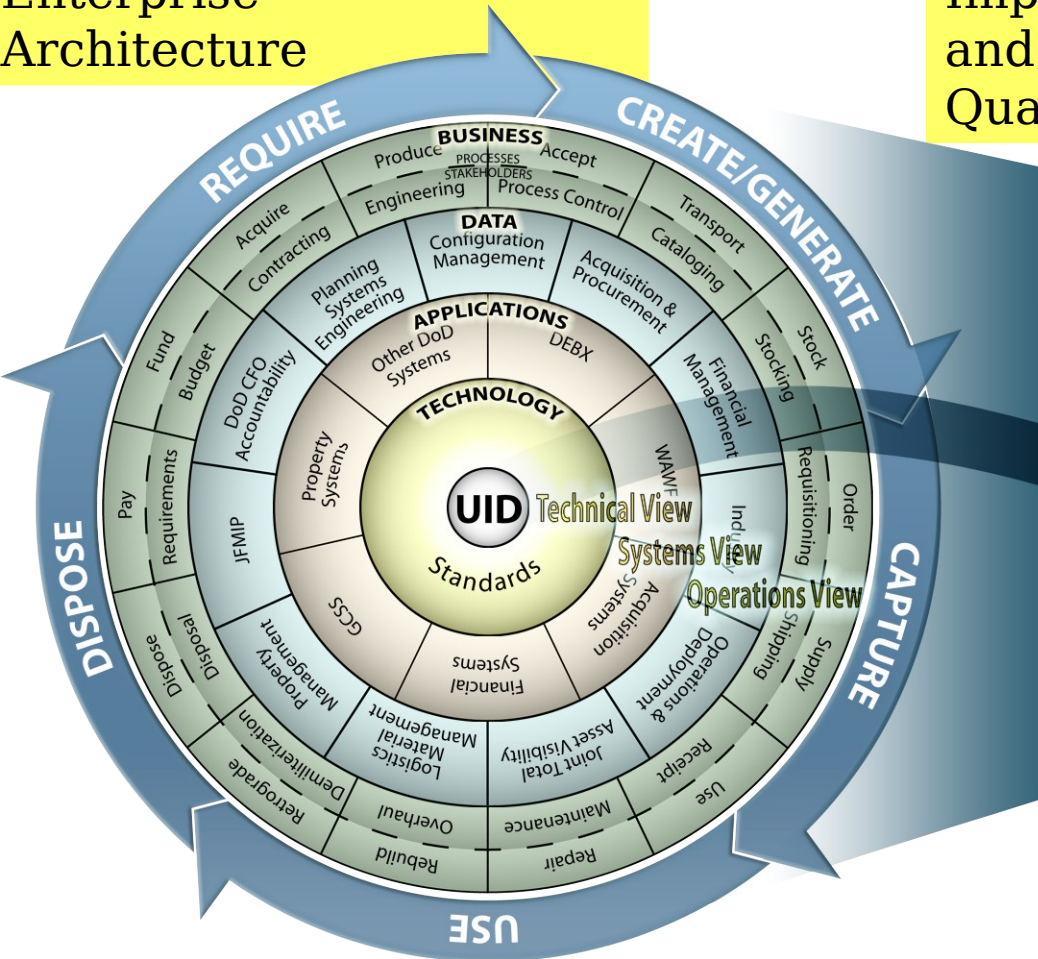




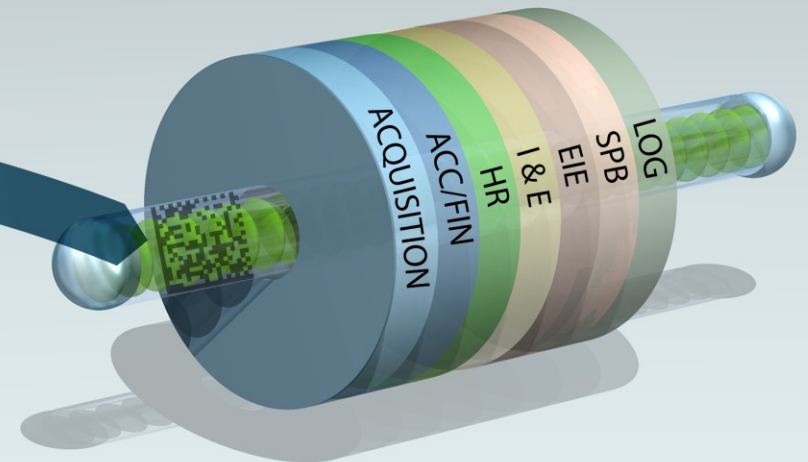
UID Role - Business Enterprise Architecture

Enhance the Business Enterprise Architecture

Enhance Total Asset Visibility; Improve Life-Cycle Item Management and Accountability; Improve Data Quality and Interoperability



Business Enterprise Architecture



Clean Audit Opinions on Property, Plant and Equipment & Operating

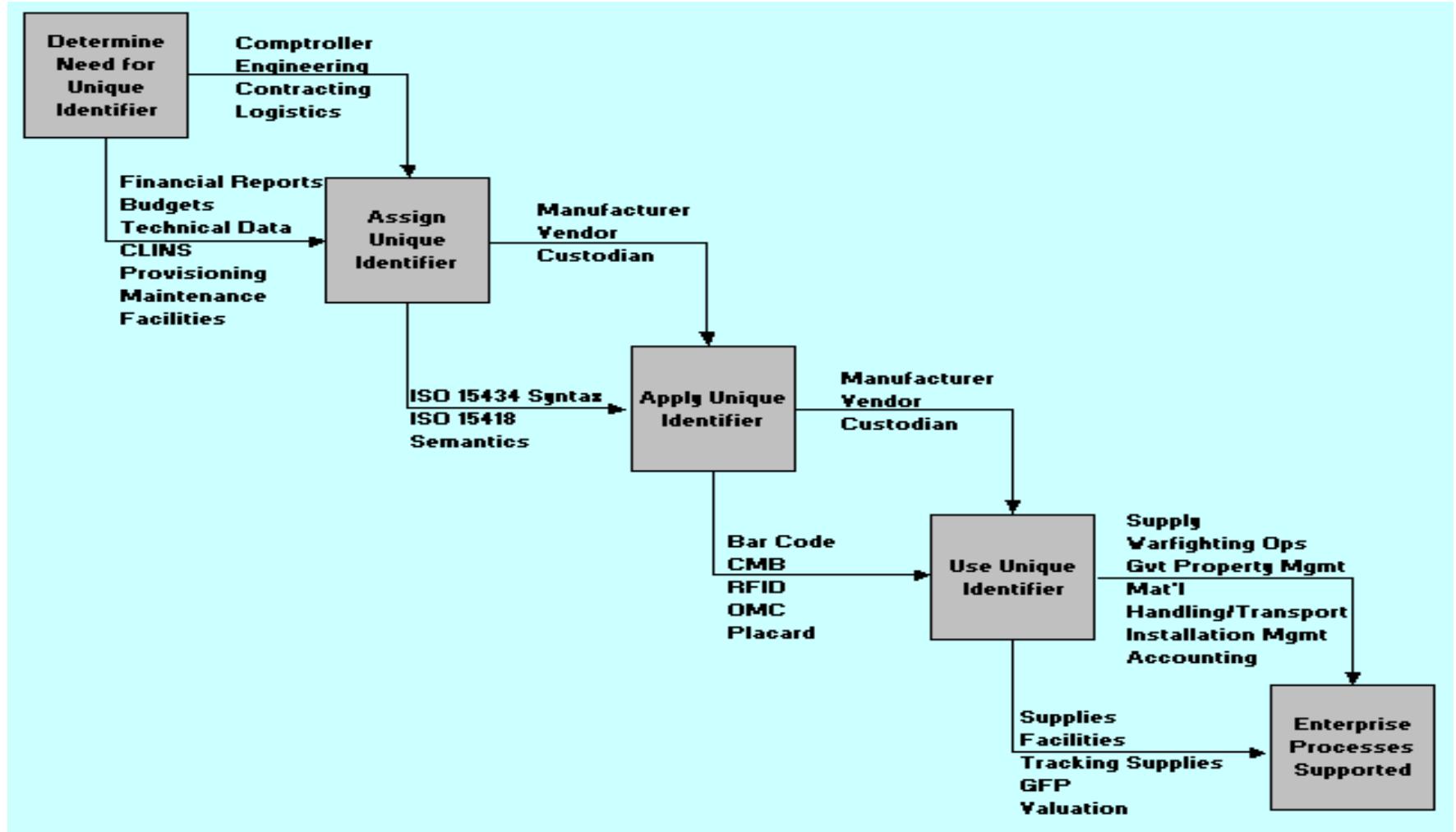


UID/ Logistics Outcomes

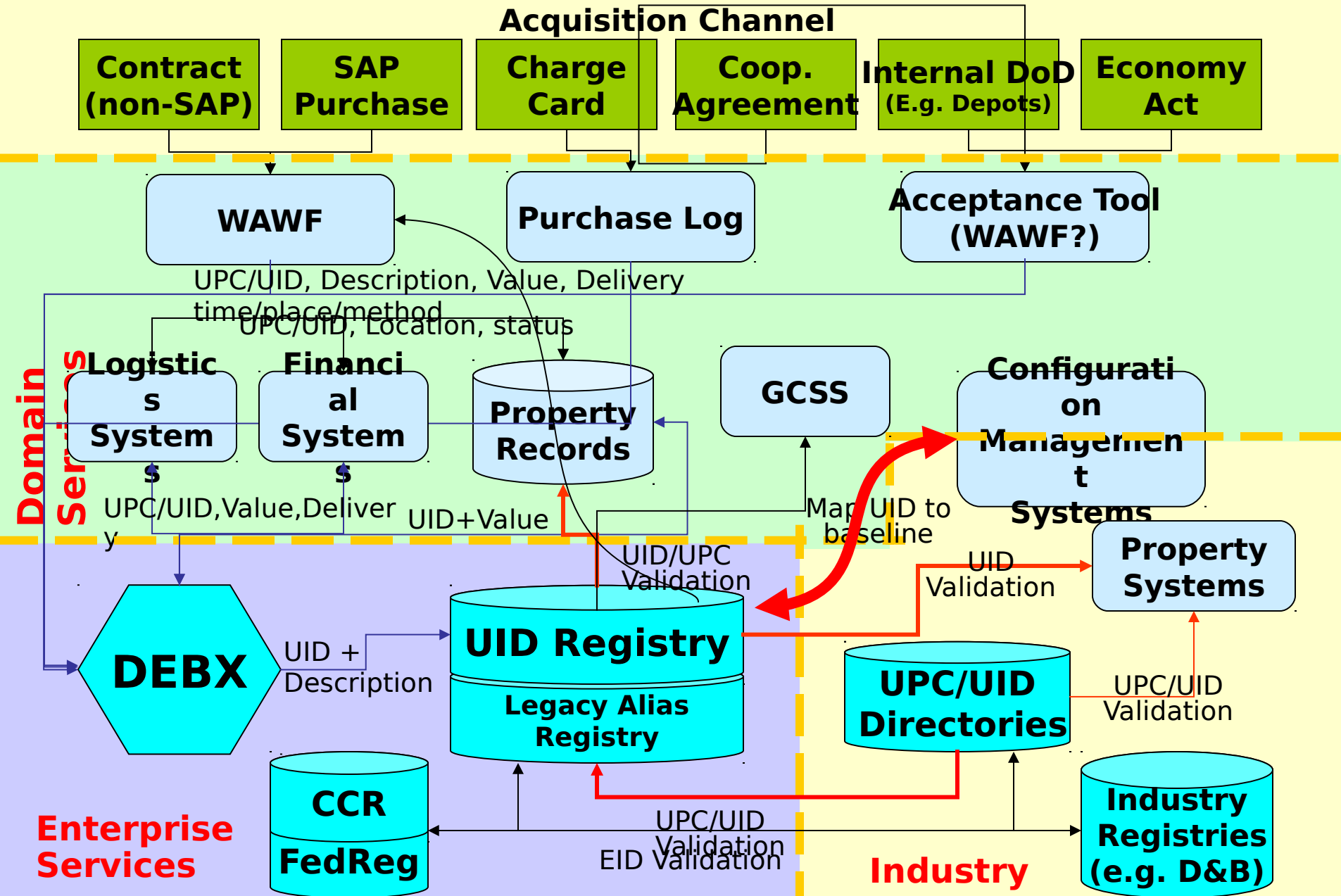
- ◆ Comprehensive, timely data about each uniquely identified item throughout the supply chain
 - Generation, collection and analysis of maintenance data
 - End-to-end tracking and traceability of unique items
 - Reliability and maintainability information on each item throughout its life cycle
- ◆ Improved supply chain efficiency
 - Administrative cost reduction
 - Reduced stock levels
 - Simplicity, standardization, speed and certainty in automated data capture and electronic information exchange
- ◆ Integrated transportation and movement of individually identified items
- ◆ Leveraged commercial technologies and practices



UID Interface Flow



UID Data Capture and Reuse





UID Registry

- ◆ The UID registry will ...keep the key data elements of UID
- ◆ Additionally, context will be added to that key data to
 -
 - Identify what the item is
 - Identify who owns the item originally
 - Identify the initial value of the item
 - Identify procuring activity and acceptance timing
 - Connect to property management, logistics, inventory management
 - Manage GFP data - both static and fluid



UID “Pedigree” Data

End Item Data (15)

- ◆ UID (Concatenated)
- ◆ Descriptive Data
 - UID Data Elements (5)
 - Item Description
 - Unit of measure
- ◆ Acquisition Data
 - Contractor
 - Contract Number
 - CLIN/SLIN/ELIN
 - Price
 - Acceptance Code (identifies acceptor)
 - Acceptance Date
 - Ship to code

Embedded Items of End Items (10)

- ◆ UID (Concatenated)
- ◆ Descriptive Data
 - UID Data Elements (5)
 - Item Description
 - Unit of measure
- ◆ Parent UID as of delivery date
- ◆ GFP flag

Item Tracking (TBD)

- ◆ Current parent
- ◆ “As of” date



HOT Re-engineering Projects

- ◆ Develop an end-to-end UID process model
- ◆ Re-engineer receipt, acceptance, and payment across DoD integrating property, logistics, contracts, financial and configuration management for UID -
 - Learn from CH-47
 - Integrate with property accountability
 - Capture parent/child information
 - Integrate with Government Industry Data Exchange Process and Flight Safety Critical Aircraft Parts
 - Ensure connection to transportation and asset visibility capabilities
- ◆ Capture catalog and item designations relying on commercial capability
- ◆ Integrate with Standard Procurement System
- ◆ Develop ERP intersection criteria
 - WAWF and UID
 - Build UID into BEA assessment tool



Future Re-engineering Projects

- ◆ Ensure that price/cost **paid** is recorded in the registry
- ◆ Embed CFO Accountability into outsourced Contractor Logistics Support
- ◆ Capture asset acquisition from intra-government source; grants; cooperative agreements
- ◆ Develop business rules for: foreign military sales; international use; demilitarization; loss, destruction, and expenditure; disposal



Government Furnished Property (GFP) Tracking

- 100% GFP UIDed for Asset Accountability & Valuation
- Track UID Items in Contractor Custody
- GFP Marked with UID by Issuing Source

GFP Items

- By Company
- By Program

Contractor GFP Master Plans

GFP in Storage

- Assign Alias UID
- Mark with UID when Placed in Use

GFP in Use

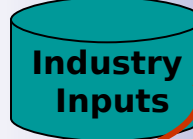
- Assign Alias UID
- Mark with UID when Item Possession is transferred

GFP in GOCO

- As specified in Operating Contract

GFP Registry of Alias UIDs

- Custodian CAGE
- GFP Item UID
- Date Issued
- Date Received
- Requiring Contract Number
- Parent/Child Relationships



Property Accountability Systems

UID Registry (GFP UIDs Flagged)

Maintenance Systems

GOCO - Government-Owned Contractor-Operated



UID Policy Implementation Timeline

Policy

- ◆ UID Policy Published - 29 July 2003
- ◆ UID Policy Update Published - 26 November 2003
- ◆ UID Issuing Agency Code Policy Update Published - 22 December 2003
- ◆ UID Required for all New Solicitations - 01 January 2004
- ◆ RFID policy (ADUSD Supply Chain Integration) - 02 October 2003
 - Active RFID Use - Continue Current Use
 - Policy Kickoff IPT - October 2003
 - Final RFID Policy - July 2004
 - Passive RFID Use on Lowest Possible Piece Part/Case/Pallet - January 2005
- ◆ UID Implementation for Contracts with Government Furnished Property - January 2005

ISO/IEC 15434 Change Request

- ◆ Submit New Work Item Proposal - 28 January 2004
- ◆ US TAG Meeting - 01 March 2004
- ◆ Obtain support from Air Transport Association (ATA) - June 2005
- ◆ ISO/IEC 15434 amendment issued - June 2005

WAWF Modifications

- ◆ UID Capability IOC - May 10, 2004